

Part 4

Methodology of Reporting

Table 5-4 has been the basis of the methodology of reporting for Part 4 of this report. In the table, major categories of types of data used for the reporting originally included:

1. an ambient monitoring network
2. untreated water quality data from public water supply wells
3. finished water quality data from public water supply wells
4. untreated water quality data from private or unregulated wells, and
5. other sources.

For this report only the data from 3 was used. There was no available data from the other categories, and because of this the table was modified from the original EPA version to only reflect this category of data.

The data was obtained from the State Department of Health, Safe Drinking Water Branch database of reported water contaminants. The data is a part of the State's mandatory water monitoring program.

The reporting period for the report was the two year period from January 1998 through January 2000. The data for the period was matched to existing GIS coverages of wells for the State. The wells for each aquifer system were analyzed to note the occurrences of contaminant reporting.

The different contaminants reported are summarized in Tables 5.4.1 through 5.4.111. It was possible for a well to show 1 or more different contaminants, and these different detections would be noted in the tables. However, if the well showed the same contaminant multiple times, the contaminant was only recorded one time.

In order to summarize the information recorded in the tables, the maps at the end of the section represent the detections by aquifer, of the different contaminant groups. These groups were; VOC's, SOC's, Nitrate, and Other. The other category included contaminants including metals, and fluoride.

Summary of Groundwater Conditions

The groundwater systems for the State appear to be in relative good condition when compared to the data reviewed from the groundwater monitoring program. Although this is the best indicator to assess the groundwater conditions at this time, another way to get a more clear picture might be to analyze the data over a longer period of time.

Also, when the conditions of the groundwater are considered from a perspective using the data in Part 3 of the report, it might appear that some contaminants may be a future threat to State groundwater resources. Some elements of the analysis seem to be more disturbing than others. One example is the large numbers of leaking underground storage tanks. With these larger numbers, it seems more likely that some contamination may be occurring without being detected.

Overall, however, concentrations of the contaminants found in State groundwaters are low, and it is believed that the condition of the aquifers in the State are still in good condition.

No attempt has been made to study and analyze the impacts of surface water on groundwaters. It seems likely that some of the more polluted surface waters may impact the groundwaters below. The most important of these polluted surface waters seem to be the water from the Ala Wai, Honolulu Harbor, and Kahana water segments. All of these surface waters, however, are located nearer the coastal area where it is less critical for negative impacts to the major potable aquifers of the State.

Aquifer Monitoring Data

The aquifer monitoring data is recorded in the following tables, Table 5.4.1 through 5.4.111.

Table 5-4.1 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾	<u>Hawaii - 0101 Kohala Aquifer Sector, Hawi Aquifer System</u>
Spatial Description (optional) ⁽²⁾	<u>See Map: Hawaii Aquifer Sectors and Aquifer Systems</u>
Map Available (optional) ⁽³⁾	<u>Map available; Section 5-3</u>
Data Reporting Period ⁽⁴⁾	<u>January 1998 - March 2000</u>

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	58	VOC	58	58 All state aquifers considered to be vulnerable.	58		0	0	0	0	0
		SOC ⁽¹⁵⁾	58		58		0	0	0	0	
		NO ₂	58		0		0	0	0	0	
		Other ⁽¹⁶⁾	58		58		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input type="checkbox"/> _X_ Public water supply <input checked="" type="checkbox"/> _X_ Irrigation <input type="checkbox"/> _ Commercial <input type="checkbox"/> _ Mining <input type="checkbox"/> _ Baseflow Maintenance <input type="checkbox"/> _ Private water supply <input type="checkbox"/> _ Thermoelectric <input type="checkbox"/> _ Livestock <input type="checkbox"/> _ Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input type="checkbox"/> _ Public water supply <input type="checkbox"/> _ Irrigation <input type="checkbox"/> _ Commercial <input type="checkbox"/> _ Mining <input type="checkbox"/> _ Baseflow Maintenance <input type="checkbox"/> _ Private water supply <input type="checkbox"/> _ Thermoelectric <input type="checkbox"/> _ Livestock <input type="checkbox"/> _ Industrial				

Table 5-4.2 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0102 Kohala Aquifer Sector, Waimanu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - March 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	20	VOC	20	20 All state aquifers considered to be vulnerable.	20		0	0	0	0	0
		SOC ⁽¹⁵⁾	20		20		0	0	0	0	
		NO ₂	20		0		0	0	0	0	
		Other ⁽¹⁶⁾	20		20		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.3 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0103 Kohala Aquifer Sector, Mahukona Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	26	VOC	26	All state aquifers considered to be vulnerable.	26		0	0	0	0	0
		SOC ⁽¹⁵⁾	26		26		0	0	0	0	0
		NO ₂	26		0		0	0	0	0	0
		Other ⁽¹⁶⁾	26		26		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.4 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0201 East Mauna Kea Aquifer Sector, Honokaa Aquifer System
 Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
 Map Available (optional) ⁽³⁾ Map available; Section 5-3
 Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	3	VOC	3	All aquifers considered to be vulnerable.	3		0	0	0	0	0
		SOC ⁽¹⁵⁾	2		2		1	0	0	0	0
		NO ₂	3		0		0	0	0	0	0
		Other ⁽¹⁶⁾	3		3		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.5 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0202 East Mauna Kea Aquifer Sector, Pauuilo Aquifer System
 Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
 Map Available (optional) ⁽³⁾ Map available; Section 5-3
 Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	25	VOC	25	All state aquifers considered to be vulnerable.	25		0	0	0	0	0
		SOC ⁽¹⁵⁾	24		24		1	0	0	0	
		NO ₂	25		0		0	0	0	0	
		Other ⁽¹⁶⁾	25		25		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.6 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0203 East Mauna Kea Aquifer Sector, Hakalau Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	16	VOC	16	All state aquifers considered to be vulnerable.	16		0	0	0	0	0
		SOC ⁽¹⁵⁾	13		13		3	0	0	0	0
		NO ₂	16		0		0	0	0	0	0
		Other ⁽¹⁶⁾	16		16		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.7 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0204 East Mauna Kea Aquifer Sector, Onomea Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	7	VOC	7	All state aquifers considered to be vulnerable.	7		0	0	0	0	0
		SOC ⁽¹⁵⁾	7		7		0	0	0	0	0
		NO ₂	7		0		0	0	0	0	0
		Other ⁽¹⁶⁾	7		7		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply	<input checked="" type="checkbox"/> Irrigation	<input type="checkbox"/> Commercial	<input type="checkbox"/> Mining	<input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply	<input type="checkbox"/> Thermoelectric	<input type="checkbox"/> Livestock	<input type="checkbox"/> Industrial	
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Commercial	<input type="checkbox"/> Mining	<input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply	<input type="checkbox"/> Thermoelectric	<input type="checkbox"/> Livestock	<input type="checkbox"/> Industrial	

Table 5-4.8 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0301 West Mauna Kea Aquifer Sector, Waimea Aquifer SystemSpatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer SystemsMap Available (optional) ⁽³⁾ Map available; Section 5-3Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	12	VOC	11	12 All state aquifers considered to be vulnerable.	11		1	0	0	0	0
		SOC ⁽¹⁵⁾	12		12		0	0	0	0	0
		NO ₂	9		3		0	0	0	0	0
		Other ⁽¹⁶⁾	12		12		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.9 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0401 Northeast Mauna Loa Aquifer Sector, Hilo Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	38	VOC	38	All state aquifers considered to be vulnerable.	38		0	0	0	0	0
		SOC ⁽¹⁵⁾	38		38		0	0	0	0	0
		NO ₂	38		0		0	0	0	0	0
		Other ⁽¹⁶⁾	38		38		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.10 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0402 Northeast Mauna Loa Aquifer Sector, Keaau Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells									
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾	
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable							Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾						
Finished Water Quality Data from Public Water Supply Wells	27	VOC	27	All state aquifers considered to be vulnerable.	27		0	0	0	0	0	
		SOC ⁽¹⁵⁾	26		26		1	0	0	0		
		NO ₂	27		0		0	0	0	0		
		Other ⁽¹⁶⁾	27		27		0	0	0	0		

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.11 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0501 Southeast Mauna Loa Aquifer Sector, Olaa Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	10	VOC	10	All state aquifers considered to be vulnerable.	10		0	0	0	0	0
		SOC ⁽¹⁵⁾	10		10		0	0	0	0	0
		NO ₂	10		0		0	0	0	0	0
		Other ⁽¹⁶⁾	10		10		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.12 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0502 Southeast Mauna Loa Aquifer Sector, Kapapala Aquifer System
Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
Map Available (optional) ⁽³⁾ Map available; Section 5-3
Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	
		NO ₂	0		0		0	0	0	0	
		Other ⁽¹⁶⁾	0		0		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.13 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0503 Southeast Mauna Loa Aquifer Sector, Naalehu Aquifer System
 Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
 Map Available (optional) ⁽³⁾ Map available; Section 5-3
 Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells									
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾	
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable							Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾						
Finished Water Quality Data from Public Water Supply Wells	55	VOC	55	All state aquifers considered to be vulnerable.	55		0	0	0	0	0	
		SOC ⁽¹⁵⁾	52		52		3	0	0	0		
		NO ₂	55		0		0	0	0	0		
		Other ⁽¹⁶⁾	55		55		2	0	0	0		

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.14 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0504 Southeast Mauna Loa Aquifer Sector, Ka Lae Aquifer System
 Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
 Map Available (optional) ⁽³⁾ Map available; Section 5-3
 Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	4	VOC	4	All state aquifers considered to be vulnerable.	4		0	0	0	0	0
		SOC ⁽¹⁵⁾	4		4		0	0	0	0	0
		NO ₂	4		0		0	0	0	0	0
		Other ⁽¹⁶⁾	4		4		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.15 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0601 Southwest Mauna Loa Aquifer Sector, Manuka Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	4	VOC	4	All state aquifers considered to be vulnerable.	4		0	0	0	0	0
		SOC ⁽¹⁵⁾	4		4		0	0	0	0	0
		NO ₂	4		0		0	0	0	0	0
		Other ⁽¹⁶⁾	4		4		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.16 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0602 Southwest Mauna Loa Aquifer Sector, Kaapuna Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	3	VOC	3	All state aquifers considered to be vulnerable.	3		0	0	0	0	0
		SOC ⁽¹⁵⁾	3		3		0	0	0	0	
		NO ₂	3		0		0	0	0	0	
		Other ⁽¹⁶⁾	3		3		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.17 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0603 Southwest Mauna Loa Aquifer Sector, Kealakekua Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	12	VOC	12	All state aquifers considered to be vulnerable.	12		0	0	0	0	0
		SOC ⁽¹⁵⁾	12		12		0	0	0	0	0
		NO ₂	11		1		0	0	0	0	0
		Other ⁽¹⁶⁾	12		12		3	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.18 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0701 Northwest Mauna Loa Aquifer Sector, Anaehoomalu Aquifer System
 Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
 Map Available (optional) ⁽³⁾ Map available; Section 5-3
 Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	15	VOC	15	All state aquifers considered to be vulnerable.	15		0	0	0	0	0
		SOC ⁽¹⁵⁾	15		15		0	0	0	0	0
		NO ₂	15		0		0	0	0	0	0
		Other ⁽¹⁶⁾	15		15		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.19 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0801 Kilauea Aquifer Sector, Pahoehoe Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	18	VOC	18	All state aquifers considered to be vulnerable.	18		0	0	0	0	0
		SOC ⁽¹⁵⁾	18		18		0	0	0	0	
		NO ₂	18		0		0	0	0	0	
		Other ⁽¹⁶⁾	18		18		4	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.20 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0802 Kilauea Aquifer Sector, Kalapana Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	19	VOC	19	All state aquifers considered to be vulnerable.	19		0	0	0	0	0
		SOC ⁽¹⁵⁾	19		19		0	0	0	0	
		NO ₂	19		0		0	0	0	0	
		Other ⁽¹⁶⁾	19		19		2	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.21 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0803 Kilauea Aquifer Sector, Hilina Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	1	VOC	1	1 All state aquifers considered to be vulnerable.	1		0	0	0	0	0
		SOC ⁽¹⁵⁾	1		1		0	0	0	0	0
		NO ₂	1		0		0	0	0	0	0
		Other ⁽¹⁶⁾	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.22 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0804 Kilauea Aquifer Sector, Keaiwa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	1	VOC	1	All state aquifers considered to be vulnerable.	1		0	0	0	0	0
		SOC ⁽¹⁵⁾	1		1		0	0	0	0	
		NO ₂	1		0		0	0	0	0	
		Other ⁽¹⁶⁾	1		1		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.23 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0901 Hualalai Aquifer Sector, Keauhou Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	51	VOC	51	All state aquifers considered to be vulnerable. ⁽⁷⁾	51		0	0	0	0	0
		SOC ⁽¹⁵⁾	51		51		0	0	0	0	0
		NO ₂	50		1		0	0	0	0	0
		Other ⁽¹⁶⁾	51		51		6	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.24 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Hawaii - 0902 Hualalai Aquifer Sector, Kiholo Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	24	VOC	24	All state aquifers considered to be vulnerable.	24		0	0	0	0	0
		SOC ⁽¹⁵⁾	24		24		0	0	0	0	0
		NO ₂	22		2		0	0	0	0	0
		Other ⁽¹⁶⁾	24		24		4	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.25 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0101 Lihue Aquifer Sector, Koloa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	49	VOC	49	All state aquifers considered to be vulnerable.	49		0	0	0	0	0
		SOC ⁽¹⁵⁾	48		48		1	0	1	0	0
		NO ₂	49		0		0	0	0	0	0
		Other ⁽¹⁶⁾	49		49		8	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.26 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0102 Lihue Aquifer Sector, Hanamaulu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	47	VOC	46	47 All state aquifers considered to be vulnerable.	46		1	0	0	0	0
		SOC ⁽¹⁵⁾	45		45		2	0	0	0	0
		NO ₂	47		0		0	0	0	0	0
		Other ⁽¹⁶⁾	47		47		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.27 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0103 Lihue Aquifer Sector, Wailua Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	8	VOC	8	All state aquifers considered to be vulnerable.	8		0	0	0	0	0
		SOC ⁽¹⁵⁾	8		8		0	0	0	0	0
		NO ₂	8		0		0	0	0	0	0
		Other ⁽¹⁶⁾	8		8		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.28 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0104 Lihue Aquifer Sector, Anahola Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	58	VOC	58	58 All state aquifers considered to be vulnerable.	58		0	0	0	0	0
		SOC ⁽¹⁵⁾	58		58		0	0	0	0	0
		NO ₂	58		0		0	0	0	0	0
		Other ⁽¹⁶⁾	58		58		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.29 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0105 Lihue Aquifer Sector, Kilauea Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	8	VOC	8	All state aquifers considered to be vulnerable. ⁽⁷⁾	8		0	0	0	0	0
		SOC ⁽¹⁵⁾	8		8		0	0	0	0	0
		NO ₂	8		0		0	0	0	0	0
		Other ⁽¹⁶⁾	8		8		3	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.30 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0201 Hanalei Aquifer Sector, Kalihiwai Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	9	VOC	9	All state aquifers considered to be vulnerable. ⁽⁷⁾	9		0	0	0	0	0
		SOC ⁽¹⁵⁾	9		9		0	0	0	0	0
		NO ₂	9		0		0	0	0	0	0
		Other ⁽¹⁶⁾	9		9		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.31 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0202 Hanalei Aquifer Sector, Hanalei Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	4	VOC	4	All state aquifers considered to be vulnerable. ⁽⁷⁾	4		0	0	0	0	0
		SOC ⁽¹⁵⁾	3		3		1	0	0	0	0
		NO ₂	4		0		0	0	0	0	0
		Other ⁽¹⁶⁾	4		4		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.32 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0203 Hanalei Aquifer Sector, Wainiha Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	3	VOC	3	All state aquifers considered to be vulnerable. ⁽⁷⁾	3		0	0	0	0	0
		SOC ⁽¹⁵⁾	3		3		0	0	0	0	0
		NO ₂	3		0		0	0	0	0	0
		Other ⁽¹⁶⁾	3		3		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.33 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0204 Hanalei Aquifer Sector, Napali Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	1	VOC	1	1 All state aquifers considered to be vulnerable.	1		0	0	0	0	0
		SOC ⁽¹⁵⁾	1		1		0	0	0	0	0
		NO ₂	1		0		0	0	0	0	0
		Other ⁽¹⁶⁾	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.34 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0301 Waimea Aquifer Sector, Kekaha Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	69	VOC	69	All state aquifers considered to be vulnerable. ⁽⁷⁾	69		0	0	0	0	0
		SOC ⁽¹⁵⁾	69		69		0	0	0	0	0
		NO ₂	69		0		0	0	0	0	0
		Other ⁽¹⁶⁾	69		69		5	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.35 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0302 Waimea Aquifer Sector, Waimea Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	12	VOC	12	All state aquifers considered to be vulnerable.	12		0	0	0	0	0
		SOC ⁽¹⁵⁾	12		12		0	0	0	0	
		NO ₂	12		0		0	0	0	0	
		Other ⁽¹⁶⁾	12		12		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.36 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0303 Waimea Aquifer Sector, Makaweli Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	4	VOC	4	All state aquifers considered to be vulnerable. ⁽⁷⁾	4		0	0	0	0	0
		SOC ⁽¹⁵⁾	4		4		0	0	0	0	0
		NO ₂	4		0		0	0	0	0	0
		Other ⁽¹⁶⁾	4		4		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.37 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Kauai - 0304 Waimea Aquifer Sector, Hanapepe Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	10	VOC	10	All state aquifers considered to be vulnerable.	10		0	0	0	0	0
		SOC ⁽¹⁵⁾	10		10		0	0	0	0	
		NO ₂	9		1		0	0	0	0	
		Other ⁽¹⁶⁾	10		10		2	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.38 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Lanai - 0101 Central Aquifer Sector, Windward Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	5	VOC	5	All state aquifers considered to be vulnerable.	5		0	0	0	0	0
		SOC ⁽¹⁵⁾	5		5		0	0	0	0	0
		NO ₂	5		0		0	0	0	0	0
		Other ⁽¹⁶⁾	5		5		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.39 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Lanai - 0102 Central Aquifer Sector, Leeward Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional)					
Finished Water Quality Data from Public Water Supply Wells	13	VOC	13	All state aquifers considered to be vulnerable.	13		0	0	0	0	0
		SOC ⁽¹⁵⁾	13		13		0	0	0	0	0
		NO ₂	13		0		0	0	0	0	0
		Other ⁽¹⁶⁾	13		13		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.40 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Lanai - 0201 Mahana Aquifer Sector, Hauloa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	1	VOC	1	1 All state aquifers considered to be vulnerable. ⁽⁷⁾	1		0	0	0	0	0
		SOC ⁽¹⁵⁾	1		1		0	0	0	0	0
		NO ₂	1		0		0	0	0	0	0
		Other ⁽¹⁶⁾	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.41 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Lanai - 0202 Mahana Aquifer Sector, Maunalei Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	1	VOC	1	1 All state aquifers considered to be vulnerable. ⁽⁷⁾	1		0	0	0	0	0
		SOC ⁽¹⁵⁾	1		1		0	0	0	0	0
		NO ₂	1		0		0	0	0	0	0
		Other ⁽¹⁶⁾	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.42 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Lanai - 0203 Mahana Aquifer Sector, Lapaiki Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	
		NO ₂	0		0		0	0	0	0	
		Other ⁽¹⁶⁾	0		0		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.43 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Lanai - 0301 Kaa Aquifer Sector, Honopu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	
		NO ₂	0		0		0	0	0	0	
		Other ⁽¹⁶⁾	0		0		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.44 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Lanai - 0302 Kaa Aquifer Sector, Kaumalapau Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	0
		NO ₂	0		0		0	0	0	0	0
		Other ⁽¹⁶⁾	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.45 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Lanai - 0401 Manele Aquifer Sector, Kealia Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	1	VOC	1	1 All state aquifers considered to be vulnerable.	1		0	0	0	0	0
		SOC ⁽¹⁵⁾	1		1		0	0	0	0	0
		NO ₂	1		0		0	0	0	0	0
		Other ⁽¹⁶⁾	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.46 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Lanai - 0402 Manele Aquifer Sector, Manele Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	2	VOC	2	All state aquifers considered to be vulnerable.	2		0	0	0	0	0
		SOC ⁽¹⁵⁾	2		2		0	0	0	0	0
		NO ₂	2		0		0	0	0	0	0
		Other ⁽¹⁶⁾	2		2		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.47 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0101 Wailuku Aquifer Sector, Waikapu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	7	VOC	7	All state aquifers considered to be vulnerable.	7		0	0	0	0	0
		SOC ⁽¹⁵⁾	7		7		0	0	0	0	0
		NO ₂	7		0		0	0	0	0	0
		Other ⁽¹⁶⁾	7		7		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.48 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0102 Wailuku Aquifer Sector, Iao Aquifer System
 Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
 Map Available (optional) ⁽³⁾ Map available; Section 5-3
 Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	46	VOC	46	All state aquifers considered to be vulnerable. ⁽⁷⁾	46		0	0	0	0	0
		SOC ⁽¹⁵⁾	45		45		1	0	0	0	0
		NO ₂	46		0		0	0	0	0	0
		Other ⁽¹⁶⁾	46		46		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.49 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0103 Wailuku Aquifer Sector, Waihee Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	9	VOC	9	All state aquifers considered to be vulnerable.	9		0	0	0	0	0
		SOC ⁽¹⁵⁾	9		9		0	0	0	0	0
		NO ₂	9		0		0	0	0	0	0
		Other ⁽¹⁶⁾	9		9		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.50 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0104 Wailuku Aquifer Sector, Kahakuloa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	0
		NO ₂	0		0		0	0	0	0	0
		Other ⁽¹⁶⁾	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.51 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0201 Lahaina Aquifer Sector, Honokohau Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	3	VOC	3	All state aquifers considered to be vulnerable. ⁽⁷⁾	3		0	0	0	0	0
		SOC ⁽¹⁵⁾	3		3		0	0	0	0	0
		NO ₂	3		0		0	0	0	0	0
		Other ⁽¹⁶⁾	3		3		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.52 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0202 Lahaina Aquifer Sector, Honolulu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	12	VOC	12	All state aquifers considered to be vulnerable.	12		0	0	0	0	0
		SOC ⁽¹⁵⁾	11		11		1	0	0	0	
		NO ₂	12		0		0	0	0	0	
		Other ⁽¹⁶⁾	12		12		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply	<input checked="" type="checkbox"/> Irrigation	<input type="checkbox"/> Commercial	<input type="checkbox"/> Mining	<input checked="" type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply	<input type="checkbox"/> Thermoelectric	<input type="checkbox"/> Livestock	<input type="checkbox"/> Industrial	
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Commercial	<input type="checkbox"/> Mining	<input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply	<input type="checkbox"/> Thermoelectric	<input type="checkbox"/> Livestock	<input type="checkbox"/> Industrial	

Table 5-4.53 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0203 Lahaina Aquifer Sector, Honokowai Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	30	VOC	27	All state aquifers considered to be vulnerable. ⁽⁷⁾	27		3	0	0	0	0
		SOC ⁽¹⁵⁾	27		27		3	0	0	0	0
		NO ₂	30		0		0	0	0	0	0
		Other ⁽¹⁶⁾	30		30		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.54 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0204 Lahaina Aquifer Sector, Launiupoku Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	24	VOC	24	All state aquifers considered to be vulnerable. ⁽⁷⁾	24		0	0	0	0	0
		SOC ⁽¹⁵⁾	24		24		0	0	0	0	0
		NO ₂	24		0		0	0	0	0	0
		Other ⁽¹⁶⁾	24		24		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.55 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0205 Lahaina Aquifer Sector, Olowalu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	4	VOC	4	All state aquifers considered to be vulnerable. ⁽⁷⁾	4		0	0	0	0	0
		SOC ⁽¹⁵⁾	4		4		0	0	0	0	0
		NO ₂	4		0		0	0	0	0	0
		Other ⁽¹⁶⁾	4		4		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.56 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0206 Lahaina Aquifer Sector, Ukumehame Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells									
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾	
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable							
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾						
Finished Water Quality Data from Public Water Supply Wells	1	VOC	1	All state aquifers considered to be vulnerable.	1		0	0	0	0	0	0
		SOC ⁽¹⁵⁾	1		1		0	0	0	0	0	
		NO ₂	1		0		0	0	0	0	0	
		Other ⁽¹⁶⁾	1		1		0	0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.57 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0301 Central Aquifer Sector, Kahului Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	134	VOC	134	134 All state aquifers considered to be vulnerable.	134		0	0	0	0	0
		SOC ⁽¹⁵⁾	134		134		0	0	0	0	0
		NO ₂	134		0		0	0	0	0	0
		Other ⁽¹⁶⁾	134		134		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.58 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0302 Central Aquifer Sector, Paia Aquifer System
 Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems
 Map Available (optional) ⁽³⁾ Map available; Section 5-3
 Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells									
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾	
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable							Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾						
Finished Water Quality Data from Public Water Supply Wells	40	VOC	40	All state aquifers considered to be vulnerable.	40		0	0	0	0	0	0
		SOC ⁽¹⁵⁾	40		40		0	0	0	0	0	
		NO ₂	40		0		0	0	0	0	0	
		Other ⁽¹⁶⁾	40		40		0	0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.59 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0303 Central Aquifer Sector, Makawao Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	3	VOC	3	All state aquifers considered to be vulnerable.	3		0	0	0	0	0
		SOC ⁽¹⁵⁾	3		3		0	0	0	0	0
		NO ₂	3		0		0	0	0	0	0
		Other ⁽¹⁶⁾	3		3		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.60 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0304 Central Aquifer Sector, Kamaloe Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	101	VOC	101	All state aquifers considered to be vulnerable.	101		0	0	0	0	0
		SOC ⁽¹⁵⁾	101		101		0	0	0	0	
		NO ₂	101		0		0	0	0	0	
		Other ⁽¹⁶⁾	101		101		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.61 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0401 Koolau Aquifer Sector, Haiku Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	17	VOC	17	All state aquifers considered to be vulnerable.	17		0	0	0	0	0
		SOC ⁽¹⁵⁾	17		17		0	0	0	0	0
		NO ₂	17		0		0	0	0	0	0
		Other ⁽¹⁶⁾	17		17		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.62 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0402 Koolau Aquifer Sector, Honopou Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	5	VOC	5	All state aquifers considered to be vulnerable.	5		0	0	0	0	0
		SOC ⁽¹⁵⁾	5		5		0	0	0	0	
		NO ₂	5		0		0	0	0	0	
		Other ⁽¹⁶⁾	5		5		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.63 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0403 Koolau Aquifer Sector, Waikamoi Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	1	VOC	1	1 All state aquifers considered to be vulnerable.	1		0	0	0	0	0
		SOC ⁽¹⁵⁾	1		1		0	0	0	0	0
		NO ₂	1		0		0	0	0	0	0
		Other ⁽¹⁶⁾	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.64 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0404 Koolau Aquifer Sector, Keanae Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	112	VOC	112	112 All state aquifers considered to be vulnerable.	112		0	0	0	0	0
		SOC ⁽¹⁵⁾	112		112		0	0	0	0	0
		NO ₂	112		0		0	0	0	0	0
		Other ⁽¹⁶⁾	112		112		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.65 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0501 Hana Aquifer Sector, Kuhiwa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	11	VOC	11	All state aquifers considered to be vulnerable.	11		0	0	0	0	0
		SOC ⁽¹⁵⁾	11		11		0	0	0	0	
		NO ₂	11		0		0	0	0	0	
		Other ⁽¹⁶⁾	11		11		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.66 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0502 Hana Aquifer Sector, Kawaipapa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	10	VOC	10	10 All state aquifers considered to be vulnerable.	10		0	0	0	0	0
		SOC ⁽¹⁵⁾	10		10		0	0	0	0	0
		NO ₂	10		0		0	0	0	0	0
		Other ⁽¹⁶⁾	10		10		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.67 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0503 Hana Aquifer Sector, Waihoi Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	
		NO ₂	0		0		0	0	0	0	
		Other ⁽¹⁶⁾	0		0		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.68 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0504 Hana Aquifer Sector, Kipahulu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	9	VOC	9	All state aquifers considered to be vulnerable.	9		0	0	0	0	0
		SOC ⁽¹⁵⁾	9		9		0	0	0	0	0
		NO ₂	9		0		0	0	0	0	0
		Other ⁽¹⁶⁾	9		9		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.69 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0601 Kahikinui Aquifer Sector, Kaupo Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	1	VOC	1	1 All state aquifers considered to be vulnerable.	1		0	0	0	0	0
		SOC ⁽¹⁵⁾	1		1		0	0	0	0	0
		NO ₂	1		0		0	0	0	0	0
		Other ⁽¹⁶⁾	1		1		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.70 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0602 Kahikinui Aquifer Sector, Nakuula Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	2	VOC	2	All state aquifers considered to be vulnerable. ⁽⁷⁾	2		0	0	0	0	0
		SOC ⁽¹⁵⁾	2		2		0	0	0	0	0
		NO ₂	2		0		0	0	0	0	0
		Other ⁽¹⁶⁾	2		2		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.71 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Maui - 0603 Kahikinui Aquifer Sector, Lualailua Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	2	VOC	2	All state aquifers considered to be vulnerable. ⁽⁷⁾	2		0	0	0	0	0
		SOC ⁽¹⁵⁾	2		2		0	0	0	0	0
		NO ₂	2		0		0	0	0	0	0
		Other ⁽¹⁶⁾	2		2		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.72 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0101 West Aquifer Sector, Kaluakoi Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	6	VOC	6	All state aquifers considered to be vulnerable. ⁽⁷⁾	6		0	0	0	0	0
		SOC ⁽¹⁵⁾	6		6		0	0	0	0	0
		NO ₂	6		0		0	0	0	0	0
		Other ⁽¹⁶⁾	6		6		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.73 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0102 West Aquifer Sector, Punakou Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	5	VOC	5	5 All state aquifers considered to be vulnerable. ⁽⁷⁾	5		0	0	0	0	0
		SOC ⁽¹⁵⁾	5		5		0	0	0	0	0
		NO ₂	5		0		0	0	0	0	0
		Other ⁽¹⁶⁾	5		5		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation ___ Commercial ___ Mining ___ Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply ___ Thermoelectric ___ Livestock ___ Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply ___ Irrigation ___ Commercial ___ Mining ___ Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply ___ Thermoelectric ___ Livestock ___ Industrial

Table 5-4.74 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0201 Central Aquifer Sector, Hoolehua Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	1	VOC	1	All state aquifers considered to be vulnerable.	1		0	0	0	0	0
		SOC ⁽¹⁵⁾	1		1		0	0	0	0	
		NO ₂	1		0		0	0	0	0	
		Other ⁽¹⁶⁾	1		1		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.75 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0202 Central Aquifer Sector, Manawainui Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	29	VOC	29	All state aquifers considered to be vulnerable. ⁽⁷⁾	29		0	0	0	0	0
		SOC ⁽¹⁵⁾	29		29		0	0	0	0	0
		NO ₂	29		0		0	0	0	0	0
		Other ⁽¹⁶⁾	29		29		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.76 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0203 Central Aquifer Sector, Kualapuu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	13	VOC	13	13 All state aquifers considered to be vulnerable.	13		0	0	0	0	0
		SOC ⁽¹⁵⁾	13		13		0	0	0	0	0
		NO ₂	13		0		0	0	0	0	0
		Other ⁽¹⁶⁾	13		13		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.77 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0301 Southeast Aquifer Sector, Kamiloloa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	24	VOC	24	All state aquifers considered to be vulnerable. ⁽⁷⁾	24		0	0	0	0	0
		SOC ⁽¹⁵⁾	24		24		0	0	0	0	0
		NO ₂	24		0		0	0	0	0	0
		Other ⁽¹⁶⁾	24		24		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.78 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0302 Southeast Aquifer Sector, Kawela Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	40	VOC	40	All state aquifers considered to be vulnerable. ⁽⁷⁾	40		0	0	0	0	0
		SOC ⁽¹⁵⁾	40		40		0	0	0	0	0
		NO ₂	40		0		0	0	0	0	0
		Other ⁽¹⁶⁾	40		40		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply	<input checked="" type="checkbox"/> Irrigation	<input type="checkbox"/> Commercial	<input type="checkbox"/> Mining	<input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply	<input type="checkbox"/> Thermoelectric	<input type="checkbox"/> Livestock	<input type="checkbox"/> Industrial	
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Commercial	<input type="checkbox"/> Mining	<input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply	<input type="checkbox"/> Thermoelectric	<input type="checkbox"/> Livestock	<input type="checkbox"/> Industrial	

Table 5-4.79 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0303 Southeast Aquifer Sector, Ualapue Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	42	VOC	42	All state aquifers considered to be vulnerable. ⁽⁷⁾	42		0	0	0	0	0
		SOC ⁽¹⁵⁾	42		42		0	0	0	0	0
		NO ₂	42		0		0	0	0	0	0
		Other ⁽¹⁶⁾	42		42		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.80 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0304 Southeast Aquifer Sector, Waialua Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	7	VOC	7	All state aquifers considered to be vulnerable.	7		0	0	0	0	0
		SOC ⁽¹⁵⁾	7		7		0	0	0	0	0
		NO ₂	7		0		0	0	0	0	0
		Other ⁽¹⁶⁾	7		7		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.81 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0401 Northeast Aquifer Sector, Kalaupapa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	
		NO ₂	0		0		0	0	0	0	
		Other ⁽¹⁶⁾	0		0		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.82 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0402 Northeast Aquifer Sector, Kahanui Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	3	VOC	3	3 All state aquifers considered to be vulnerable. ⁽⁷⁾	3		0	0	0	0	0
		SOC ⁽¹⁵⁾	3		3		0	0	0	0	0
		NO ₂	3		0		0	0	0	0	0
		Other ⁽¹⁶⁾	3		3		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.83 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0403 Northeast Aquifer Sector, Waikolu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	6	VOC	6	All state aquifers considered to be vulnerable. ⁽⁷⁾	6		0	0	0	0	0
		SOC ⁽¹⁵⁾	6		6		0	0	0	0	0
		NO ₂	6		0		0	0	0	0	0
		Other ⁽¹⁶⁾	6		6		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.84 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0404 Northeast Aquifer Sector, Haupu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	
		NO ₂	0		0		0	0	0	0	
		Other ⁽¹⁶⁾	0		0		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.85 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0405 Northeast Aquifer Sector, Pelekunu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	
		NO ₂	0		0		0	0	0	0	
		Other ⁽¹⁶⁾	0		0		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.86 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0406 Northeast Aquifer Sector, Wailau Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	0
		NO ₂	0		0		0	0	0	0	0
		Other ⁽¹⁶⁾	0		0		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.87 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Molokai - 0407 Northeast Aquifer Sector, Halawa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	
		NO ₂	0		0		0	0	0	0	
		Other ⁽¹⁶⁾	0		0		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input checked="" type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.88 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0101 Honolulu Aquifer Sector, Palolo Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	66	VOC	66	66 All state aquifers considered to be vulnerable.	66		0	0	0	0	0
		SOC ⁽¹⁵⁾	66		66		0	0	0	0	
		NO ₂	66		0		0	0	0	0	
		Other ⁽¹⁶⁾	66		66		1	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.89 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0102 Honolulu Aquifer Sector, Nuuanu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	153	VOC	153	All state aquifers considered to be vulnerable.	153		0	0	0	0	0
		SOC ⁽¹⁵⁾	153		153		0	0	0	0	
		NO ₂	153		0		0	0	0	0	
		Other ⁽¹⁶⁾	153		153		5	0	0	0	

Major uses of the aquifer or hydrologic unit	<input type="checkbox"/> _X_ Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> _X_ Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> _X_ Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> _X_ Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> _X_ Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> _X_ Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.90 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0103 Honolulu Aquifer Sector, Kalihi Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	68	VOC	68	68 All state aquifers considered to be vulnerable.	68		0	0	0	0	0
		SOC ⁽¹⁵⁾	68		68		0	0	0	0	0
		NO ₂	68		0		0	0	0	0	0
		Other ⁽¹⁶⁾	68		68		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.91 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0104 Honolulu Aquifer Sector, Moanalua Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells									
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾	
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable							
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾						
Finished Water Quality Data from Public Water Supply Wells	44	VOC	44	All state aquifers considered to be vulnerable.	44		0	0	0	0	0	
		SOC ⁽¹⁵⁾	44		44		0	0	0	0		
		NO ₂	44		0		0	0	0	0		
		Other ⁽¹⁶⁾	44		44		5	0	0	0		

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.92 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0105 Honolulu Aquifer Sector, Waialae Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	47	VOC	47	All state aquifers considered to be vulnerable.	47		0	0	0	0	0
		SOC ⁽¹⁵⁾	46		46		1	0	0	0	
		NO ₂	47		0		0	0	0	0	
		Other ⁽¹⁶⁾	47		47		1	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.93 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0201 Pearl Harbor Aquifer Sector, Waimalu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	214	VOC	214	All state aquifers considered to be vulnerable.	214		0	0	0	0	0
		SOC ⁽¹⁵⁾	208		208		6	0	0	0	
		NO ₂	213		1		0	0	0	0	
		Other ⁽¹⁶⁾	214		214		12	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.94 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0202 Pearl Harbor Aquifer Sector, Waiawa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	139	VOC	131	139 All state aquifers considered to be vulnerable.	131		8	0	0	0	0
		SOC ⁽¹⁵⁾	132		132		7	0	0	0	
		NO ₂	139		0		0	0	0	0	
		Other ⁽¹⁶⁾	139		139		1	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.95 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0203 Pearl Harbor Aquifer Sector, Waipahu Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	266	VOC	244	266 All state aquifers considered to be vulnerable.	244		22	0	0	0	0
		SOC ⁽¹⁵⁾	252		252		14	0	0	0	0
		NO ₂	251		9		6	0	0	0	0
		Other ⁽¹⁶⁾	266		266		17	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.96 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0204 Pearl Harbor Aquifer Sector, Ewa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	105	VOC	105	105 All state aquifers considered to be vulnerable.	105		0	0	0	0	0
		SOC ⁽¹⁵⁾	104		104		1	0	0	0	0
		NO ₂	105		0		0	0	0	0	0
		Other ⁽¹⁶⁾	105		105		2	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input type="checkbox"/> _X_ Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> _X_ Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> _X_ Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> _X_ Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> _X_ Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> _X_ Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.97 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0205 Pearl Harbor Aquifer Sector, Kunia Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	
		NO ₂	0		0		0	0	0	0	
		Other ⁽¹⁶⁾	0		0		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.98 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0301 Wainae Aquifer Sector, Nanakuli Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	5	VOC	5	All state aquifers considered to be vulnerable.	5		0	0	0	0	0
		SOC ⁽¹⁵⁾	5		5		0	0	0	0	
		NO ₂	5		0		0	0	0	0	
		Other ⁽¹⁶⁾	5		5		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.99 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0302 Wainae Aquifer Sector, Lualualei Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	112	VOC	112	112 All state aquifers considered to be vulnerable.	112		0	0	0	0	0
		SOC ⁽¹⁵⁾	112		112		0	0	0	0	0
		NO ₂	112		0		0	0	0	0	0
		Other ⁽¹⁶⁾	112		112		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.100 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0303 Wainae Aquifer Sector, Waianae Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	69	VOC	69	All state aquifers considered to be vulnerable.	69		0	0	0	0	0
		SOC ⁽¹⁵⁾	69		69		0	0	0	0	
		NO ₂	69		0		0	0	0	0	
		Other ⁽¹⁶⁾	69		69		2	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.101 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0304 Wainae Aquifer Sector, Makaha Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	40	VOC	40	All state aquifers considered to be vulnerable.	40		0	0	0	0	0
		SOC ⁽¹⁵⁾	40		40		0	0	0	0	0
		NO ₂	40		0		0	0	0	0	0
		Other ⁽¹⁶⁾	40		40		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.102 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0305 Wainae Aquifer Sector, Keaau Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	24	VOC	24	All state aquifers considered to be vulnerable.	24		0	0	0	0	0
		SOC ⁽¹⁵⁾	24		24		0	0	0	0	0
		NO ₂	24		0		0	0	0	0	0
		Other ⁽¹⁶⁾	24		24		0	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial				
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance				
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial				

Table 5-4.103 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0401 North Aquifer Sector, Mokuleia Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	94	VOC	94	94 All state aquifers considered to be vulnerable.	94		0	0	0	0	0
		SOC ⁽¹⁵⁾	94		94		0	0	0	0	0
		NO ₂	93		1		0	0	0	0	0
		Other ⁽¹⁶⁾	94		94		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.104 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0402 North Aquifer Sector, Waialua Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	107	VOC	103	107 All state aquifers considered to be vulnerable.	103		4	0	0	0	0
		SOC ⁽¹⁵⁾	104		104		3	0	0	0	
		NO ₂	107		0		0	0	0	0	
		Other ⁽¹⁶⁾	107		107		2	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.105 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0403 North Aquifer Sector, Kawaihoa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	70	VOC	70	All state aquifers considered to be vulnerable.	70		0	0	0	0	0
		SOC ⁽¹⁵⁾	70		70		0	0	0	0	
		NO ₂	70		0		0	0	0	0	
		Other ⁽¹⁶⁾	70		70		2	0	0	0	

Major uses of the aquifer or hydrologic unit	<input type="checkbox"/> _X_ Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> _X_ Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> _X_ Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> _X_ Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> _X_ Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> _X_ Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.106 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0501 Central Aquifer Sector, Wahiawa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	41	VOC	36	41 All state aquifers considered to be vulnerable.	36		5	0	0	0	0
		SOC ⁽¹⁵⁾	41		41		0	0	0	0	
		NO ₂	40		1		0	0	0	0	
		Other ⁽¹⁶⁾	41		41		1	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.107 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0502 Central Aquifer Sector, Koolau Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	0	VOC	0	All state aquifers considered to be vulnerable.	0		0	0	0	0	0
		SOC ⁽¹⁵⁾	0		0		0	0	0	0	
		NO ₂	0		0		0	0	0	0	
		Other ⁽¹⁶⁾	0		0		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance
	<input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.108 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0601 Windward Aquifer Sector, Koolauloa Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	147	VOC	147	147 All state aquifers considered to be vulnerable.	147		0	0	0	0	0
		SOC ⁽¹⁵⁾	147		147		0	0	0	0	0
		NO ₂	147		0		0	0	0	0	0
		Other ⁽¹⁶⁾	147		147		7	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.109 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0602 Windward Aquifer Sector, Kahana Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
Finished Water Quality Data from Public Water Supply Wells	21	VOC	21	21 All state aquifers considered to be vulnerable.	21		0	0	0	0	0
		SOC ⁽¹⁵⁾	21		21		0	0	0	0	0
		NO ₂	21		0		0	0	0	0	0
		Other ⁽¹⁶⁾	21		21		3	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.110 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0603 Windward Aquifer Sector, Koolau-poko Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l Other parameters are detected at concentrations exceeding the MDL but are less than or equal to the MCLs ⁽¹⁰⁾	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l VOC, SOC, and Other parameters not detected ⁽⁸⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁹⁾					
Finished Water Quality Data from Public Water Supply Wells	89	VOC	89	All state aquifers considered to be vulnerable. ⁽⁷⁾	89		0	0	0	0	0
		SOC ⁽¹⁵⁾	89		89		0	0	0	0	0
		NO ₂	89		0		0	0	0	0	0
		Other ⁽¹⁶⁾	89		89		1	0	0	0	0

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input checked="" type="checkbox"/> Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> Public water supply <input type="checkbox"/> Irrigation <input type="checkbox"/> Commercial <input type="checkbox"/> Mining <input type="checkbox"/> Baseflow Maintenance <input checked="" type="checkbox"/> Private water supply <input type="checkbox"/> Thermoelectric <input type="checkbox"/> Livestock <input type="checkbox"/> Industrial

Table 5-4.111 Aquifer Monitoring Data

Hydrogeologic Setting ⁽¹⁾ Oahu - 0604 Windward Aquifer Sector, Waimanalo Aquifer System

Spatial Description (optional) ⁽²⁾ See Map: Hawaii Aquifer Sectors and Aquifer Systems

Map Available (optional) ⁽³⁾ Map available; Section 5-3

Data Reporting Period ⁽⁴⁾ January 1998 - January 2000

Monitoring Data Type	Total No. of Wells Used in the Assessment ⁽⁵⁾	Parameter Groups	Number of Wells								
			No detections of parameters above MDLs or background levels		Nitrate concentrations range from background levels to less than or equal to 5 mg/l		Nitrate ranges from greater than 5 to less than or equal to 10 mg/l	Parameters are detected at concentrations exceeding the MCLs ⁽¹¹⁾	Number of Wells Removed from service ⁽¹²⁾	Number of Wells Requiring Special Treatment ⁽¹³⁾	Background parameters exceed MCLs ⁽¹⁴⁾
					No detections or parameters other than nitrate above MDLs or background levels and/or located in areas that are sensitive or vulnerable						
			ND ⁽⁶⁾	Number of wells in sensitive or vulnerable areas (optional) ⁽⁷⁾	Nitrate # 5 mg/l	Number of wells in sensitive or vulnerable areas (optional) ⁽⁸⁾					
Finished Water Quality Data from Public Water Supply Wells	79	VOC	79	All state aquifers considered to be vulnerable.	79		0	0	0	0	0
		SOC ⁽¹⁵⁾	79		79		0	0	0	0	
		NO ₂	79		0		0	0	0	0	
		Other ⁽¹⁶⁾	79		79		0	0	0	0	

Major uses of the aquifer or hydrologic unit	<input checked="" type="checkbox"/> _X_ Public water supply <input type="checkbox"/> _ Irrigation <input checked="" type="checkbox"/> _X_ Commercial <input type="checkbox"/> _ Mining <input type="checkbox"/> _ Baseflow Maintenance
	<input checked="" type="checkbox"/> _X_ Private water supply <input type="checkbox"/> _ Thermoelectric <input type="checkbox"/> _ Livestock <input checked="" type="checkbox"/> _X_ Industrial
Uses affected by water quality problems (optional) ⁽⁸⁾	<input checked="" type="checkbox"/> _X_ Public water supply <input type="checkbox"/> _ Irrigation <input type="checkbox"/> _ Commercial <input type="checkbox"/> _ Mining <input type="checkbox"/> _ Baseflow Maintenance
	<input checked="" type="checkbox"/> _X_ Private water supply <input type="checkbox"/> _ Thermoelectric <input type="checkbox"/> _ Livestock <input type="checkbox"/> _ Industrial